

Appl'n of Bromer, "Dorsiflexion Skate Brake"

I CLAIM:

1. For a user, having a toe, on a skate including at least one wheel: a skate brake actuated by dorsiflexion.
2. The skate brake according to claim 1, comprising a lifter moved upward by the dorsiflexion to actuate the skate brake.
3. The skate brake according to claim 2, wherein the lifter is pivoted to be moved upward by the toe.
4. The skate brake according to claim 3, wherein the lifter is pivoted about a pivot axis adjacent to a joint between a metatarsal and a phalanx of the toe.
5. The skate brake according to claim 2, comprising a brake shoe coupled to the lifter, and wherein the brake shoe bears on at least the one wheel of the skate brake when actuated.
6. The skate brake according to claim 5, wherein the brake shoe is directly coupled to the lifter.
7. The skate brake according to claim 5, wherein the brake shoe is coupled to the lifter via a linkage.
8. The skate brake according to claim 5, wherein the brake shoe is pivoted to rotate about an axle of another wheel, so as to bear against the one wheel.

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9. The skate brake according to claim 5, wherein the brake shoe comprises fiber-reinforced elastomer.

10. The skate brake according to claim 9, wherein the brake shoe comprises a portion of fiber-reinforced elastomer belt.

11. The skate brake according to claim 9, wherein the elastomer comprises urethane.

12. The skate brake according to claim 1, comprising a return spring counteracting the dorsiflexion.